

Application No.: 10/764,978
Reply to Office Action Dated: August 21, 2008

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for reproducing coniferous somatic embryos by somatic embryogenesis comprising growing an immature embryogenic culture derived from an explant on a nutrient medium selected from the group consisting of induction medium, maintenance medium and prematuration medium, wherein the nutrient medium comprises lactose and an additional sugar, wherein the induction medium is used to induce an explant to form an embryogenic tissue, the maintenance medium is used to grow and maintain the embryogenic culture and the prematuration medium is used to prepare the embryogenic culture for transfer to maturation medium and subsequent development of ecotyledonary stage mature embryos capable of suitable for germination, wherein the coniferous somatic embryos are *Pinus taeda* somatic embryos or hybrids thereof, and wherein the maturation medium does not contain auxin or cytokinin.
- 2-4. (Cancelled)
5. (Previously presented) The method of claim 1, wherein lactose is less than 6.0 % of the nutrient medium.
6. (Previously presented) The method of claim 1, wherein the nutrient medium is gelled or liquid.
- 7.-12. (Cancelled)
13. (Previously presented) The method of claim 1, wherein the prematuration medium contains less auxin and less cytokinin than the maintenance medium.